



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, D.C. 20350-2000

-- IN REFERENCE TO
OPNAVINST 3120.35H
N863C
28 January 1998

OPNAV INSTRUCTION 3120.35H

From: Chief of Naval Operations

Subj: REQUIREMENTS FOR AIR CAPABLE, AMPHIBIOUS ASSAULT, AND MINE COUNTERMEASURES SHIPS TO OPERATE AIRCRAFT

Ref: (a) OPNAVINST 3120.28B (NOTAL)
(b) NAVAIRINST 3120.1C (NOTAL)
(c) Air Capable Ship Aviation Facilities Bulletin No. 1H (NOTAL)
(d) Amphibious Assault Ship Aviation Facilities Bulletin No. 1A (NOTAL)

Encl: (1) Aviation Operational Requirements for Air Capable Ships
(2) Aviation Operational Requirements for LHA, LHD, LPH, and MCS Ships

1. **Purpose.** To define the level, class, and type aviation facilities requirements for air capable, amphibious assault, and mine countermeasure ships to operate specified aircraft. This instruction has been revised in its entirety.

2. **Cancellation.** OPNAV Instruction 3120.35G.

3. **Discussion**

a. The aviation facilities requirements updated by this instruction cover the full spectrum of aviation operations from launch and recovery to personnel and stores transfer. To ensure safe aircraft operations, all afloat aviation facilities are to be certified.

b. The variety of ship configurations which occur as a result of unique mission requirements complicates the problem of certification standardization in the fleet. Reference (a) establishes the requirement for formalized ship certification which ensures the maintenance of proper standards for afloat aviation facilities and defines the basis of the certification program. Reference (b) outlines responsibilities for certification and inspection of aviation facilities in naval ships operating aircraft. Reference (c) defines the minimum standards for safe aircraft operation and defines the levels, classes, and types of facility requirements categorized in enclosure (1) for air capable ships. Reference (d) defines the minimum standards for safe aircraft operations and defines the levels and classes categorized in enclosure (2) for amphibious

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assault ships. Additionally, enclosure (2) defines the level and class requirements for mine countermeasure ships.

c. The certification of an afloat aviation facility does not constitute an authorization to conduct air operations. Authorization to operate aircraft aboard ships is the responsibility of the fleet commanders or Commander, Military Sealift Command, as applicable.

4. **Action**. All air capable and amphibious assault ships shall be certified in accordance with reference (a) to operate with the specified aircraft according to the levels, classes, and types of aviation facilities defined in enclosures (1) and (2).



DANIEL J. MURPHY, JR.
Rear Admiral, U.S. Navy
Director, Surface Warfare

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36 (Service Craft)
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46 (Fleet Marine Force-Aviation)
50A (Unified Commands)
C25A (Support Activity Detachment, CNO) (Fort Ritchie, only)
C58P (NAS Pensacola Helicopter Landing Trainer Detachment)
C84 (COMNAVSEASYSCOM Shore Based Detachments)
30 (Mine Warfare Ships)

AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS

LEVEL I - DAY AND NIGHT OPERATIONS, INSTRUMENT METEOROLOGICAL CONDITIONS
LEVEL II - DAY AND NIGHT OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS
LEVEL III - DAY ONLY OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS

CLASS 1 - LANDING AREA WITH SUPPORT (SERVICE AND MAINTENANCE) FACILITIES

CLASS 2 - LANDING AREA WITH SERVICE FACILITIES

CLASS 2A - LANDING AREA WITH LIMITED SERVICE FACILITIES

CLASS 3 - LANDING AREA WITHOUT SUPPORT FACILITIES

CLASS 4 - VERTREP/EXTERNAL LIFT AREA (HOVER IN EXCESS OF 5 FEET)

CLASS 5 - VERTREP/EXTERNAL LIFT AREA (HOVER IN EXCESS OF 15 FEET)

CLASS 6 - HIFR FACILITY CAPABLE OF AT LEAST 50 GPM AT 20 PSI TO 40 FEET ABOVE WATER

CLASS 6R - HIFR FACILITY CAPABLE OF ONLY 25-49 GPM AT 20 PSI TO 40 FEET ABOVE WATER

TYPE 1 - MINIMUM CLASS 4 OR 5 AREA THAT REQUIRES PICKUP AND DELIVERY ON THE LINEUP LINE
TYPE 2 - CLASS 4 OR 5 AREA THAT EXCEEDS MINIMUM AND HAS A SINGLE TEE LINE MARKED ON DECK
SPECIAL TYPE 2 - SAME AS TYPE 2, BUT WITH TEE AND TEE BALL LINES MARKED ON THE DECK
TYPE 3 - SAME AS TYPE 2, BUT WITH TWO TEE LINES MARKED ON THE DECK

AIR CAPABLE SHIPS/CLASSES	L E V E L	C T Y P E	U.S. NAVY, MARINE CORPS, COAST GUARD, ARMY, AND AIR FORCE HELICOPTERS (SEE NOTE 1)																			
			USN/USMC					USMC					USN				USCG		USA			
			USN		USN/USMC			H	H	H	H	H	H	H	H	H	H	H	H	H	H	
			H	1	2	3	4	5	5	6	6	6	6	6	6	6	1	6	4	5	6	6
AE 26 CLASS	I	1	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2	-	X	X	X	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	
		2A	-	-	-	-	-	-	-	X	X	X	X	X	-	X	X	-	X	X	X	
		4 SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	X	
AGF 3	I	1	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2	-	X	X	-	X	X	X	-	X	X	X	X	X	-	-	-	-	-	-	
		2A	-	-	-	-	-	-	-	X	-	-	-	-	-	X	X	-	X	X	X	
		4 SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	X	
AGF 11 (SEE NOTE 4)	I	1	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2	-	X	X	-	X	X	X	-	X	X	X	X	X	-	-	-	-	-	-	
		2A	-	-	-	-	-	-	-	X	-	-	-	-	-	X	X	X	X	X	X	
		4 SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	X	
AO 177 CLASS (SEE NOTE 5)	II	2A	-	-	-	X	X	X	-	X	X	X	X	X	-	-	-	-	-	-	-	
		3	-	X	X	X	-	-	-	-	-	-	-	-	X	X	X	-	X	-	X	
		4 SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	X	

NOTES:

1. IN THE HELICOPTER COLUMNS, AN "X" DENOTES A REQUIREMENT FOR THE LEVEL, CLASS, AND TYPE OF OPERATION SPECIFIED; NUMBERS 2 AND 3 REFER TO NOTES THAT CLARIFY THE HELICOPTER DESIGNATIONS; NUMBERS 4 AND ABOVE ALSO DENOTE OPERATIONAL REQUIREMENTS AND REFER TO CLARIFYING NOTES; AND A "-" DENOTES NOT APPLICABLE.
2. H53 APPLIES ONLY TO THOSE MODELS WITH A 72'3" DIAMETER MAIN ROTOR SYSTEM, AND SPECIFICALLY EXCLUDES H53E HELICOPTERS WHICH HAVE A 79' DIAMETER MAIN ROTOR SYSTEM. ACCORDINGLY, H53E REQUIREMENTS ARE ADDRESSED INDEPENDENT OF ALL OTHER H53 REQUIREMENTS.
3. H60B/F/H/J HAVE A 15'6" WHEELBASE; WHEREAS H60A/G/K HAVE A 29' WHEELBASE WHICH REQUIRES SIGNIFICANTLY MORE DECK SPACE TO ACCOMMODATE THE TAIL WHEEL. IN ADDITION, H60B/F/H ARE THE ONLY HELICOPTERS COMPATIBLE WITH THE SHIPBOARD RECOVERY ASSIST, SECURING, AND TRaversing SYSTEM.
4. LEVEL III, CLASS 3 OPERATION OF THE USMC AV8 AIRCRAFT IS ALSO REQUIRED ON AGF 11 AND LPD 4 CLASS SHIPS.
5. THE CLASS 3 OPERATIONAL REQUIREMENT FOR AO 177 CLASS SHIPS INCLUDES THE CAPABILITY TO FUEL HELICOPTERS.

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AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS

AIR CAPABLE SHIPS/CLASSES			L E V E L	C A S E	T Y P E	U.S. NAVY, MARINE CORPS, COAST GUARD, ARMY, AND AIR FORCE HELICOPTERS (SEE NOTE 1)																							
						USN/USMC				USMC				USN				USCG				USA				USAF			
						H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H			
						1	2	3	4	5	5	5	E	A	B	F	H	J	1	6	4	5	6	6	1	5	6		
AOE 1 CLASS (SEE NOTE 6)			I	1 2 2A 4 SP2	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2	-	X	X	X	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-		
						2A	-	-	-	-	X	X	X	X	X	X	X	X	-	X	X	X	X	X	-	X	X		
						4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	A/K	3	2	3		
AOE 6 CLASS			I	1 2 2A 4 SP2	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2	-	X	X	X	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-		
						2A	-	-	-	-	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X		
						4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
ARS 50 CLASS			III	4 5	1 1	X	X	-	X	-	-	-	-	-	-	-	-	-	X	X	-	-	-	-	X	-			
						5	1	-	X	-	-	-	X	X	X	X	X	X	X	-	-	X	-	-	X	-	X		
AS 33 CLASS			III	4 5	2 2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
						4	2	X	X	X	X	-	-	X	X	X	X	X	X	X	-	X	-	X	-	X	-		
AS 39 CLASS			III	5 1	2 -	-	-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X			
						5	2	-	-	-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	X		
CG 47 CLASS	02 LEVEL AFT	I	1 2 2A 4 6	-	-	X	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					2	-	X	-	X	X	-	-	7	X	X	X	X	-	-	-	-	-	-	-	-	-			
					2A	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	X	-	X	-	X	-			
					4	2	X	X	X	X	-	-	X	X	X	X	X	X	X	-	X	-	X	-	X	-			
		III	MN DK AFT 01 LEV FWD	I III	5 4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
						5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CGN 36 CLASS	MAIN DECK AFT	I	2 4 6	-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					2	-	-	-	-	-	-	-	-	X	X	X	X	-	X	X	-	X	-	X	-	X			
		III	MN DK FWD	I III	4 4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
						4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CGN 38 CLASS	MN DK AFT	I	4 6	1 -	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
					6	-	-	X	X	X	X	X	-	X	X	X	X	-	-	-	-	-	-	-	-	-			
		III	MN DK FWD	I III	4 4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
						4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
		I	1 2 2A 4 6	-	-	X	X	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-			
					2	-	X	-	-	8	-	-	-	7	X	X	X	X	-	X	X	-	X	-	X	-			
DD 963 CLASS	02 LEVEL AFT	I	1 2A 4 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					2A	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	X	-	X	-	X	-			
					4	2	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
					6	-	-	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X			
		I	4 MN DK AFT	I III	4 4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
						4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CERTIFICATION NOT REQUIRED FOR RAM EQUIPPED DD-963 CLASS																													
DD 963 CLASS	01 LEV FWD	III	4 MN DK AFT	I III	4 4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
						4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

NOTES: (continued)

- THE AOE 1 CLASS REQUIREMENTS FOR CLASS 2A OPERATION OF USN/USMC H53 AND H53E HELICOPTERS, USA H47 HELICOPTERS, AND USAF H53 HELICOPTERS APPLY TO THE AOE 4 ONLY.
- ON CG 47 AND DD 963 CLASS SHIPS, CLASS 1 FOR H60B HELICOPTERS APPLIES TO LAMPS MK III CONFIGURED SHIPS; AND CLASS 2 FOR H60B HELICOPTERS APPLIES TO LAMPS MK I CONFIGURED SHIPS.
- ON DD 963 AND DDG 993 CLASS SHIPS, LEVEL 1, CLASS 2 FOR H46 HELICOPTERS APPLIES TO LAMPS MK III CONFIGURED SHIPS; AND LEVEL III, CLASS 2 FOR H46 HELICOPTERS APPLIES TO LAMPS MK I CONFIGURED SHIPS.

Enclosure (1)

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AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS

AIR CAPABLE SHIPS/CLASSES			LEVEL	TYPE	U.S. NAVY, MARINE CORPS, COAST GUARD, ARMY, AND AIR FORCE HELICOPTERS (SEE NOTE 1)																																					
					USN/USMC					USMC					USN				USCG			USA						USAF														
					H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H															
					1	2	3	4	5	6	0	0	0	0	0	A	B	F	H	J	5	1	6	4	5	6	0	4	3	2	3											
DDG 51 CLASS	MAIN DECK AFT	I	2A	-	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	-	X	-	-	X	-	-	-	-	-	-												
			4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X															
			6	-	-	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-											
	01 LEV FWD	III	4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X														
DDG 993 CLASS	02 LEV AFT	I	1	-	-	X	X	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
			2	-	X	-	-	8	-	-	-	-	9	9	9	-	-	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-								
			2A	-	-	-	-	-	-	-	-	9	9	9	-	-	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-							
			4	2	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-							
			6	-	-	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
MN DK AFT	I	4	1	X	X	X	X	-	-	X	X	-	-	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-						
			5	1	-	-	-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	01 LEV FWD	III	4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X														
FFG 7 CLASS	MAIN LAMPS	I	1	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
			2	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
			2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
			4	SP2	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-				
			6	-	-	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	MN DK FWD	III	5	1	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-			
FFG 7	MAIN LAMPS	I	1	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
			2	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-			
			6	-	-	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	MN DK FWD	III	5	1	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	
IX 514 (HLT) (SEE NOTE 10)	II	3	-	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-			
			4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	
LCC 19 CLASS	I	2A	-	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LPD 4 CLASS (SEE NOTE 4)	I	1	-	11	-	-	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			2	-	11	X	X	11	11	X	-	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	
			2A	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
LSD 36 CLASS	II	2A	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
LSD 41 CLASS	I	4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
LST 1179 CL	CAUSEWAYS REMOVED	II	2A	-	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
			4	1	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	
			2A	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	
			4	1	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CAUSEWAYS SIDE-LOADED	III	5	1	X	X	X	X	X	X	12	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	

NOTES: (continued)

9. ON DDG 993 CLASS SHIPS, CLASS 1 FOR H60B HELICOPTERS AND CLASS 2 FOR H60F/H HELICOPTERS APPLY TO LAMPS MK III CONFIGURED SHIPS; AND CLASS 2A FOR H60B/F/H HELICOPTERS APPLIES TO LAMPS MK I CONFIGURED SHIPS.
10. LEVEL II, CLASS 3 AND 4 OPERATION OF H57 HELICOPTERS IS ALSO REQUIRED ON THE IX 514 (HLT).
11. ON LPD 4 CLASS SHIPS, THE CLASS 1 REQUIREMENTS FOR H1, H46, AND H53 (EXCEPT H53E) HELICOPTERS APPLY TO LPD 5 THROUGH LPD 15 ONLY. ON THE LPD 4, CLASS 2 (IN LIEU OF CLASS 1) APPLIES FOR THESE HELICOPTERS.
12. ON LST 1179 CLASS SHIPS, THE LEVEL III, CLASS 4 AND 5 REQUIREMENTS FOR H53E HELICOPTERS APPLY TO THE AFT VERTREP LINEUP LINE ONLY.

Enclosure (1)

OPNAVINST 3120.35H

28 JAN 1998

AVIATION OPERATIONAL REQUIREMENTS FOR AIR CAPABLE SHIPS

AIR CAPABLE SHIPS/CLASSES	L E V E L	C L A S S	T Y P E	U.S. NAVY, MARINE CORPS, COAST GUARD, ARMY, AND AIR FORCE HELICOPTERS (SEE NOTE 1)																									
				USN/USMC					USMC					USN				USCG		USA				USAF					
				H 1	H 2	H 3	H 4	H 6	H 5	H 6	H 0	H 0	H B	H F	H H	H J	H 6	H 6	H 0	H 1	H 6	H 4	H 5	H 6	H 0	H 1	H 5	H 6	H 0
																				A/K									
T-AE 26 CLASS	I	1	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		2	-	X	X	X	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-		
		2A	-	-	-	-	-	-	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	X	X	-	X		
		4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
T-AFS 1 CLASS	I	1	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		2	-	X	X	X	-	-	-	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	X	X	-	X	
		2A	-	-	-	-	-	-	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	X	X	X	-	X	
		4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
T-AFS 8 CLASS	I	1	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		2	-	X	X	X	-	-	-	X	X	X	X	X	-	X	X	-	X	-	X	-	X	-	X	X	-	X	
		2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	X	-	X	-	X	-	X	-	X	
		4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
T-AGS 45 CLASS	III	5	1	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		2A	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
		4	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
		3	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
T-AK 3000 CLASS	II	4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
		3	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
		4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
		3	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
T-AK 3005 CLASS	II	4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
		3	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
		3	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
T-AO 187 CLASS	II	4	SP2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
		5	2	-	-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X		
		3	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X		
T-AVB 3 CLASS	III	4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		2A	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		3	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
T-LKA CLASS	II	4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		2A	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		4	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-		
WAGB 400 CLASS WITH HANGAR RETRACTED	II	2A	-	X	X	X	-	-	-	X	X	X	X	X	X	X	X	-	X	X	-	X	-	X	-	X	-		
		4	2	X	X	X	X	X	X	-	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X		
		4	2	X	X	X	X	X	X	-	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X		
		6R	-	-	X	X	X	X	X	X	-	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-		
WHEC 378 CL	I	1	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-		
		2	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	X	-	X	-	X	-	X		
		4	2	X	X	X	X	X	X	-	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X		
WMEC 210 CLASS	I	5	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X		
		6R	-	-	X	X	X	X	X	X	-	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-		
		2A	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		4	2	X	X	-	X	-	-	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X		
WMEC 270 CLASS WITH HANGAR RETRACTED	III	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		4	2	X	X	-	X	-	-	X	X	X	X	X	X	X	X	-	X	-	X	-	X	-	X	-	X		
		6R	-	-	X	X	X	X	X	X	-	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-		
		1	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-		
WMEC 270 CLASS WITH HANGAR RETRACTED	I	2	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		4	2	X	X	X	X	X	X	-	X	X	X	X	X	X	X	-	X	X	-	X	-	X	-	X			
		6R	-	-	X	X	X	X	X	X	-	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-		

Enclosure (1)

OPNAVINST 3120.35H
28 JAN 1998

AVIATION OPERATIONAL REQUIREMENTS FOR LHA, LHD, LPH, AND MCS SHIPS

LEVEL I - DAY AND NIGHT OPERATIONS, INSTRUMENT METEOROLOGICAL CONDITIONS
LEVEL II - DAY AND NIGHT OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS
LEVEL III - DAY ONLY OPERATIONS, VISUAL METEOROLOGICAL CONDITIONS

CLASS 1 - LANDING/TAKEOFF AND HANGARING WITH FLIGHT/HANGAR DECK SERVICING FACILITIES AND AIRCRAFT MAINTENANCE/WEAPONS SUPPORT
CLASS 2 - LANDING/TAKEOFF AND HANGARING WITH FLIGHT/HANGAR DECK SERVICING FACILITIES
CLASS 3 - LANDING/TAKEOFF AND LIMITED FLIGHT DECK SERVICING FACILITIES
CLASS 4 - VERTREP/EXTERNAL LIFT FACILITIES

AMPHIBIOUS ASSAULT/MINE COUNTERMEASURE SHIPS/CLASSES			U.S. NAVY, MARINE CORPS, COAST GUARD, ARMY, AND AIR FORCE HELICOPTERS (SEE NOTE 1)																				
			USN/USMC		USMC		USN				USCG		USA						USAF				
	L	C	M	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	E	V	A	1	2	3	4	5	5	6	6	6	6	6	1	6	4	5	6	6	1	5	6
	E	S	A				6	3	3	0	0	0	0	0	5		7	8	0	4		3	0
	L	S	V	8					E	A	B	F	H	J									G
										2	2												2
LHA 1, LHD 1, & LHD 5 CLASSES (SEE NOTE 3)	I	1	X	X	-	-	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	-	X	X	-	-	-	-	X	X	X	X	X	-	-	-	-	-	-	-	X
		3	-	-	-	-	-	-	-	X	-	-	-	-	-	X	X	X	X	X	X	X	-
		4	-	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X	X
		III	4	-	X	X	X	X	-	-	X	X	X	X	X	X	X	-	X	-	X	-	X
LPH 2 CLASS (SEE NOTE 3)	III	3	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	I	1	-	X	-	-	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	-	X	X	-	-	-	-	X	X	X	X	X	-	-	-	-	-	-	-	4
		3	-	-	-	-	-	-	-	X	-	-	-	-	-	X	X	X	X	X	X	X	X
		4	-	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X
MCS 12 (SEE NOTE 3)	I	1	-	-	-	-	X	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2	-	X	X	X	-	X	-	-	X	X	X	X	X	-	-	-	-	-	-	-	4
		3	-	-	-	-	-	-	-	X	-	-	-	-	-	X	X	X	X	X	X	X	X
		4	-	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	-	X	-	X	X
		III	4	-	X	X	-	X	-	-	X	X	X	X	X	X	X	-	X	-	X	-	X

NOTES:

1. IN THE AV8 AND HELICOPTER COLUMNS, AN "X" DENOTES A REQUIREMENT FOR THE LEVEL AND CLASS OF OPERATION SPECIFIED; THE NUMBER 2 REFERS TO NOTE 2 WHICH CLARIFIES THE H53/H53E HELICOPTER DESIGNATIONS; AND A "-" DENOTES NOT APPLICABLE.
2. H53 APPLIES ONLY TO THOSE MODELS WITH A 72'3" DIAMETER MAIN ROTOR SYSTEM, AND SPECIFICALLY EXCLUDES H53E HELICOPTERS WHICH HAVE A 79' DIAMETER MAIN ROTOR SYSTEM. ACCORDINGLY, H53E REQUIREMENTS ARE ADDRESSED INDEPENDENT OF ALL OTHER H53 REQUIREMENTS.
3. THE LEVEL I, CLASS 4 REQUIREMENTS APPLY FORWARD AND AFT OF THE ISLAND ONLY. THE LEVEL III, CLASS 4 REQUIREMENTS APPLY ABEAM THE ISLAND ONLY.
4. CLASS 2 OPERATION OF THE USAF H53 HELICOPTER IS OPTIONAL ON LPH AND MCS, AND WILL REQUIRE ADDITIONAL WHEEL SPOT MARKING TO BE ADDED TO THE DECK EDGE ELEVATOR PLATFORMS.